

L2 ANSWER 74 OF 267 CA COPYRIGHT 2004 ACS on STN  
 AN 129:84972 CA  
 ED Entered STN: 08 Aug 1998  
 TI Nonflammable fibrous products, and their use  
 IN Wihsmann, Marc; Ebner, Lothar  
 PA ~~Protekum-Umweltinstitut G.m.b.H. Oranienburg, Germany~~  
 SO Ger. Offen., 4 pp.  
 CODEN: GWXXBX  
 DT Patent  
 LA German  
 IC ICM F16L059-04  
 ICS E04B001-94; E04B001-74; C04B016-06; C04B022-10  
 CC 58-4 (Cement, Concrete, and Related Building Materials)  
 FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 19654836	A1	19980625	DE 1996-19654836	19961223
	EP 946809	A2	19991006	EP 1997-954717	19971222
	EP 946809	B1	20011017		
	R: AT, BE, CH, DE, DK, FR, GB, LI, LU, NL, SE				
	AT 207150	E	20011115	AT 1997-954717	19971222
	US 6086998	A	20000711	US 1999-331388	19990618
PRAI	DE 1996-19654836	A	19961223		
	DE 1996-29622593	U	19961223		
	WO 1997-DE3031	W	19971222		

# CLASS

	PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
	DE 19654836	ICM	F16L059-04
		ICS	E04B001-94; E04B001-74; C04B016-06; C04B022-10
	US 6086998	ECLA	C04B028/02; C04B030/02; E04B001/74
AB	The fibrous products contain <b>cellulose fibers</b> 20-70, CaCO <sub>3</sub> 15-45, cationic <b>surfactant</b> 0.01-1, biol. active, in water not readily sol. <b>surfactant</b> 0.05-1, or CaO <sub>2</sub> 0.25-6.5 wt.%, and balance fillers, and, optionally, .gtoreq.1 biocides. The fillers are selected from .gtoreq.1 of Al <sub>2</sub> O <sub>3</sub> , SiO <sub>2</sub> , MgO, Ca silicates, aluminosilicates, BaSO <sub>4</sub> , Na <sub>2</sub> CO <sub>3</sub> , KCl, K <sub>2</sub> CO <sub>3</sub> , CaF <sub>2</sub> , and Fe oxides. The fibrous products are used as blown thermal insulation, for manufg. molded products, and as fire-resistant and thermally insulating panels.		
ST	nonflammable fibrous thermal insulator panel; <b>cellulose fiber</b> waste thermal insulator; calcium carbonate thermal insulator; <b>surfactant</b> cationic nonionic thermal insulator; peroxide calcium silicate fluoride thermal insulator; binder filler thermal insulator; biocide thermal insulator; alumina filler thermal insulator; silica filler thermal insulator; magnesia filler thermal insulator; aluminosilicate filler thermal insulator; barium sulfate filler thermal insulator; sodium carbonate filler thermal insulator; potassium chloride carbonate filler; iron oxide filler thermal insulator; thiuronium salt <b>surfactant</b>		
IT	<b>Surfactants</b>		